DAQ box settings

NI Device: Sim
Sample rate: 1e+05

Input: ai0
Opto Output: ao0
Electro Output: ao1

Testing Inputs
Current: N/A
Voltage: N/A

Test Impedance **3**

Start Session 2

☑ Select default

Measured Impedance:

E-Stim Parameters   **5A**

Pulse type: Bipolar ...
Amplitude (mA): 1
Pulse width (µs): 100
Interpulse (s): 0.1
Delay time (s): 0.2
Number of pulses: 3

Start

Optical Stimulation Parameters

Optical Stim type: Excitatory
Delay time for e-stim (ms): 0
Light Intensity: 5
Optical Pulse width (ms): 20

Quick Trig **4**

Recruitment Curve

Minimum current amplitude (mA): 0.1
Maximum current amplitude (mA): 2
Step size (mA): 0.1
Period (seconds): 3

5B

Start Recruitment Curve

Save Options

File name: Opto
☑ Autosave   **Save**
☑ Minimize Variable Saving

Generate Plot

Single Pulse

Generated Signal

Recorded Data

Load Data

Analyze H Reflex   M/H cutoff (ms): 8   **6**

Trial #: 2

Directory: C:\Users\George\Documents\hreflex_gui/Opto_Excitatory_2

App's Quick Guide: (Opto Version)

1- Select Device, inputs, outputs and sampling frequency
2- Start session
3- If testing inputs are specified in step 1, connect the electrodes to the circuit (Fig 4B) and click on test impedance (optional)
4- Find your M and H waves with quick trig
5A- Specify your stim type and your testing parameters and click on Start for frequency adaptation tests
5B- Specify your stim type in 5A then choose your minimum and maximum current and your step size and click on Start Recruitment Curve
6- Specify your M/H cutoff and click on Analyze H-Reflex to interpret your results